

TEMPERATURE INCREASING AGENT AND TEMPERATURE INCREASING METHOD**Patent number:** WO9608328**Publication date:** 1996-03-21**Inventor:** TAKASHIMA MASARU (JP); SAKASHITA MASAYOSHI (JP); ICHINOSE SHIDO (JP); YAMAGUCHI YOSHIHIRO (JP)**Applicant:** AIKOH CO (JP); TAKASHIMA MASARU (JP); SAKASHITA MASAYOSHI (JP); ICHINOSE SHIDO (JP); YAMAGUCHI YOSHIHIRO (JP)**Classification:****- International:** B22D11/111; C21C7/00; B22D11/11; C21C7/00; (IPC1-7); B22D11/10; C21C5/30**- european:** B22D11/111; C21C7/00E**Application number:** WO1994JP01507 19940912**Priority number(s):** WO1994JP01507 19940912**Cited documents:**

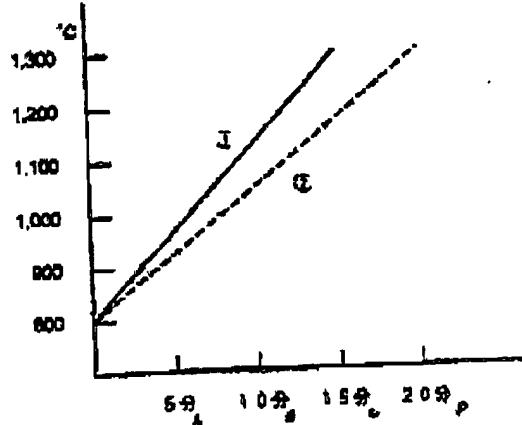
US2905632

EP0015801

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When slag solidified on a container, in a molten metal, and on the surface of a molten metal, residuals in the container and deposit therein are preheated, heated and melted during the refining and casting of a metal, fine powder of a thermosoftening waste plastic alone or fine powder of a mixture of such a plastic and a thermosetting waste plastic is used as a combustion and heating promoting agent. This enables the heating effect to be improved, and the natural gas expenses to be reduced greatly.



- A ... 5 minutes
- B ... 10 minutes
- C ... 15 minutes
- D ... 20 minutes

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WO 9608328A1

(51) 国際特許分類 ⁶ B22D 11/10, C21C 5/30	A1	(11) 国際公開番号 WO 96/08328
		(43) 国際公開日 1996年3月21日 (21.03.96)
<p>(21) 国際出願番号 PCT/JP94/01507 (22) 国際出願日 1994年9月12日 (12. 09. 94)</p> <p>(71) 出願人 (米国を除くすべての指定国について) アイコ株式会社 (AIKOH CO., LTD.) (JP/JP) 〒110 東京都台東区池之端2丁目1番39号 Tokyo, (JP)</p> <p>(72) 発明者: および (75) 発明者/出願人 (米国についてのみ) 高島 隆 (TAKASHIMA, Masaru) (JP/JP) 〒108 東京都港区芝浦4丁目16番36号 住友電機ハイツ1403号室 Tokyo, (JP) 坂下政義 (SAKASHITA, Masayoshi) (JP/JP) 〒320 栃木県宇都宮市駒生町1397-8 Tochigi, (JP) 一ノ郷士道 (ICHINOSE, Shido) (JP/JP) 〒981-02 宮城県宮城郡松島町御崎字土崎合6-17 Miyagi, (JP) 山口芳弘 (YAMAGUCHI, Yoshihiro) (JP/JP) 〒411 静岡県三島市初音台25-4 Shizuoka, (JP)</p> <p>(74) 代理人 井理士 佐藤英昭 (SATO, Hideaki) 〒170 東京都墨田区赤坂3丁目8番14号 通山ビルディング2階 Tokyo, (JP)</p> <p>(81) 指定国 AU, CA, CN, JP, KR, US, 欧州特許 (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE) -</p>		

(54) Title : TEMPERATURE INCREASING AGENT AND TEMPERATURE INCREASING METHOD

(54) 発明の名称 異種割および昇温方法

(57) Abstract

When slag solidified on a container, in a molten metal, and on the surface of a molten metal, residuals in the container and deposit therein are preheated, heated and melted during the refining and casting of a metal, fine powder of a thermosoftening waste plastic alone or fine powder of a mixture of such a plastic and a thermosetting waste plastic is used as a combustion and heating promoting agent. This enables the heating effect to be improved, and the natural gas expenses to be reduced greatly.

